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15 JAN 2002

PATENT APPLICATION/PCT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF:

ATTORNEY'S DOCKET NUMBER

Erling HANSEN  
Povl NISSEN  
Thor HUSEMOEN  
Dirk A. W. STANSSENS

4020-012139

PCT/EP00/06978

ENTITLED

**RESIN FOR A MINERAL WOOL BINDER COMPRISING THE  
REACTION PRODUCT OF AN AMINE WITH A FIRST AND SECOND  
ANHYDRIDE**

To **BOX PCT**

Attention: **DO/EO/US**

Assistant Commissioner for Patents  
Washington, D.C. 20231

**EXPRESS MAIL CERTIFICATE**

"Express Mail" Label Number EL873414155US

Date of Deposit January 15, 2002

I hereby certify that the following attached paper or fee

**Transmittal Letter To The United States  
Designated/Elected Office (DO/EO/US) Concerning A  
Filing Under 35 U.S.C. 371 (original and two (2) copies)  
And Check In The Amount Of \$1164.00 For Filing Fee;  
Letter Recognizing Attorneys (2 pp.);  
Preliminary Amendment;  
WO 01/05725 Front Page With Abstract, Specification and Claims (12 pp.);  
International Search Report (3 pp.)**

is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. §1.10 on the date indicated above and is addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231.

K.T. Berthold

(Typed name of person mailing paper or fee)

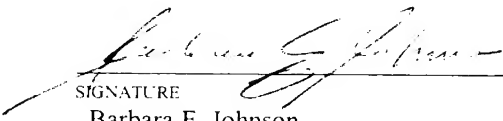
[Signature]  
(Signature of person mailing paper or fee)

JUL 10 1999 JAN 2002

Form PTO-1390 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE (REV. 10-95) <b>TRANSMITTAL LETTER TO THE UNITED STATES          DESIGNATED/ELECTED OFFICE (DO/EO/US)          CONCERNING A FILING UNDER 35 U.S.C. 371</b>		ATTORNEY'S DOCKET NUMBER <b>4020-012139</b>
		U.S. APPLICATION NO. (If known, see 37 CFR 1.5) <b>10/031054</b>
INTERNATIONAL APPLICATION NO. <b>PCT/EP00/06978</b>	INTERNATIONAL FILING DATE <b>07.07.00 (07 July 2000)</b>	PRIORITY DATES CLAIMED <b>16.07.99 (16 July 1999)</b>
TITLE OF INVENTION <b>RESIN FOR A MINERAL WOOL BINDER COMPRISING THE REACTION          PRODUCT OF AN AMINE WITH A FIRST AND SECOND ANHYDRIDE</b>		
APPLICANT(S) FOR DO/EO/US <b>Erling HANSEN, Povl NISSEN, Thor HUSEMOEN, Dirk A. W.          STANSSENS</b>		
<p>Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items          And other information:</p> <ol style="list-style-type: none"> <li><input checked="" type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a filing under 35 U.S.C. 371.</li> <li><input type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a filing under 35 U.S.C. 371.</li> <li><input checked="" type="checkbox"/> This express request to begin national examination procedures (35 U.S.C. 371(f)) at any time rather than delay examination until the expiration of the applicable time limit set in 35 U.S.C. 371(b) and PCT Articles 22 and 39(1).</li> <li><input checked="" type="checkbox"/> A proper Demand for International Preliminary Examination was made by the 19th month from the earliest claimed priority date.</li> <li><input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2))             <ol style="list-style-type: none"> <li><input type="checkbox"/> is transmitted herewith (required only if not transmitted by the International Bureau).</li> <li><input checked="" type="checkbox"/> has been transmitted by the International Bureau.</li> <li><input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US).</li> </ol> </li> <li><input type="checkbox"/> A translation of the International Application into English (35 U.S.C. 371(c)(2)).</li> <li><input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))             <ol style="list-style-type: none"> <li><input type="checkbox"/> are transmitted herewith (required only if not transmitted by the International Bureau).</li> <li><input type="checkbox"/> have been transmitted by the International Bureau.</li> <li><input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.</li> <li><input checked="" type="checkbox"/> have not been made and will not be made.</li> </ol> </li> <li><input type="checkbox"/> A translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).</li> <li><input type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).</li> <li><input type="checkbox"/> A translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).</li> </ol> <p><b>Items 11. to 16. below concern document(s) or information included:</b></p> <ol style="list-style-type: none"> <li><input type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.</li> <li><input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.</li> <li><input checked="" type="checkbox"/> A <b>FIRST</b> preliminary amendment.  <input type="checkbox"/> A <b>SECOND</b> or <b>SUBSEQUENT</b> preliminary amendment.</li> <li><input type="checkbox"/> A substitute specification.</li> <li><input type="checkbox"/> A change of power of attorney and/or address letter.</li> <li><input checked="" type="checkbox"/> Other items or information:             <ol style="list-style-type: none"> <li>WO 01 05725-Front Page, Specification And Claims (12 pp.)</li> <li>International Search Report (3 pp.)</li> </ol> </li> </ol>		

U.S. APPLICATION NO. <b>10/051000</b> (known as 37 CFR 1.5)	INTERNATIONAL APPLICATION NO. PCT/EP00/06978	ATTORNEY'S DOCKET NUMBER 4020-012139
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17. <input checked="" type="checkbox"/> The following fees are submitted. <b>BASIC NATIONAL FEE (37 CFR 1.492(a)(1)-(5)):</b> Search Report has been prepared by the EPO or JPO..... \$890.00 International preliminary examination fee paid to USPTO (37 CFR 1.482) ..... \$710.00 No international preliminary examination fee paid to USPTO (37 CFR 1.482) but international search fee paid to USPTO (37 CFR 1.445(a)(2))..... \$740.00 Neither international preliminary examination fee (37 CFR 1.482) nor International search fee (37 CFR 1.445(a)(2)) paid to USPTO..... \$1040.00 International preliminary examination fee paid to USPTO (37 CFR 1.482) and all claims satisfied provisions of PCT Article 33(2)-(4)..... \$100.00	CALCULATIONS PTO USE ONLY																																																															
<b>ENTER APPROPRIATE BASIC FEE AMOUNT =</b>	\$ 890.00																																																															
Surcharge of \$130.00 for furnishing the oath or declaration later than <input type="checkbox"/> 20 <input checked="" type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492(e)).	\$ 130.00																																																															
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 20%;">CLAIMS</th> <th style="width: 20%;">NUMBER FILED</th> <th style="width: 20%;">NUMBER EXTRA</th> <th style="width: 20%;">RATE</th> <th style="width: 20%;"></th> </tr> <tr> <td>Total claims</td> <td>28 - 20</td> <td>8</td> <td>X \$18.00</td> <td>\$ 144.00</td> </tr> <tr> <td>Independent claims</td> <td>3 - 3 =</td> <td>0</td> <td>X \$84.00</td> <td>\$ 0.00</td> </tr> <tr> <td colspan="3">MULTIPLE DEPENDENT CLAIM(S) (if applicable)</td> <td>+ \$280.00</td> <td>\$ 0.00</td> </tr> <tr> <td colspan="4"><b>TOTAL OF ABOVE CALCULATIONS =</b></td> <td>\$ 1164.00</td> </tr> <tr> <td colspan="4">Reduction of 1/2 for filing by small entity, if applicable.</td> <td>\$ 0.00</td> </tr> <tr> <td colspan="4"><b>SUBTOTAL =</b></td> <td>\$ 1164.00</td> </tr> <tr> <td colspan="4">Processing fee of \$130.00 for furnishing the English translation later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest          claimed priority date (37 CFR 1.492(f)).</td> <td>\$ 0.00</td> </tr> <tr> <td colspan="4"><b>TOTAL NATIONAL FEE =</b></td> <td>\$ 1164.00</td> </tr> <tr> <td colspan="4">Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate          cover sheet (37 CFR 3.28, 3.31). \$40.00 per property</td> <td>\$ 0.00</td> </tr> <tr> <td colspan="4"><b>TOTAL FEES ENCLOSED =</b></td> <td>\$ 1164.00</td> </tr> <tr> <td colspan="4" rowspan="2"></td> <td>Amount to be: Refunded</td> <td>\$</td> </tr> <tr> <td>Charged</td> <td>\$</td> </tr> </table>	CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE		Total claims	28 - 20	8	X \$18.00	\$ 144.00	Independent claims	3 - 3 =	0	X \$84.00	\$ 0.00	MULTIPLE DEPENDENT CLAIM(S) (if applicable)			+ \$280.00	\$ 0.00	<b>TOTAL OF ABOVE CALCULATIONS =</b>				\$ 1164.00	Reduction of 1/2 for filing by small entity, if applicable.				\$ 0.00	<b>SUBTOTAL =</b>				\$ 1164.00	Processing fee of \$130.00 for furnishing the English translation later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492(f)).				\$ 0.00	<b>TOTAL NATIONAL FEE =</b>				\$ 1164.00	Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property				\$ 0.00	<b>TOTAL FEES ENCLOSED =</b>				\$ 1164.00					Amount to be: Refunded	\$	Charged	\$	
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a. <input checked="" type="checkbox"/> A check in the amount of \$ <u>1164</u> to cover the above fees is enclosed. b. <input type="checkbox"/> Please charge my Deposit Account No. _____ in the amount of \$ _____ to cover the above fees. A duplicate copy of this sheet is enclosed c. <input checked="" type="checkbox"/> The Assistant Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. <u>23-0650</u> . A duplicate copy of this sheet is enclosed.																																																																
NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.																																																																
SEND ALL CORRESPONDENCE TO: Barbara E. Johnson 700 Koppers Building 436 Seventh Avenue Pittsburgh, Pennsylvania 15219-1818 Telephone: (412) 471-8815 Facsimile: (412) 471-4094																																																																
 SIGNATURE <u>Barbara E. Johnson</u> NAME <u>31,198</u> REGISTRATION NUMBER																																																																

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of :

Erling HANSEN : RESIN FOR A MINERAL WOOL BINDER  
Povl NISSEN : COMPRISING THE REACTION PRODUCT  
Thor HUSEMOEN : OF AN AMINE WITH A FIRST AND  
Dirk A. W. STANSSENS : SECOND ANHYDRIDE

International Application :  
No. PCT/EP00/06978 :

International Filing Date :  
07 July 2000 :

Priority Date Claimed :  
16 July 1999 :

Serial No. Not Yet Assigned :

Filed Concurrently Herewith :

Pittsburgh, Pennsylvania  
January 15, 2002

**LETTER RECOGNIZING ATTORNEYS**

**Box PCT**  
Assistant Commissioner for Patents  
Washington DC 20231

Sir:

Enclosed are appropriate papers for initiating the national phase of the above-identified PCT application, comprising a specification, claims, and abstract. A Preliminary Amendment is also enclosed.

Please accept the application for purposes of granting a filing date and recognize Barbara E. Johnson, Richard L. Byrne and Gary F. Matz, Registration Nos. 31,198, 28,498 and 45,504, respectively, as attorneys in this application, pending the filing of a formal Declaration and Power of Attorney.

Kindly direct all communications relating to this application to **Barbara E. Johnson**.

Respectfully submitted,

WEBB ZIESENHEIM LOGSDON  
ORKIN & HANSON, P.C.

By 

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